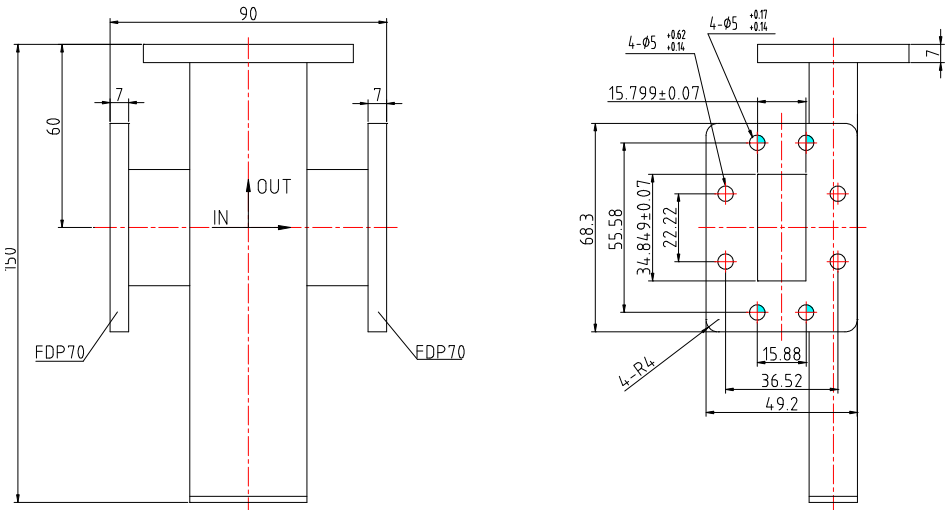


Crossguide Directional Coupler

Part No: VT70WL+C30PPPC

1.0	Mechanical Specifications	
1.1	Waveguide type	WR137
1.2	Flange type	FDP70 (Cover)
1.3	Material	Copper
1.4	Inside finish	Silver plating
1.5	Outside finish	Anticorrosion black paint
2.0	Electrical Specifications	
2.1	Frequency range	5.38-8.17 GHz
2.2	Operating bandwidth	Up to 20% of waveguide center freq
2.3	VSWR (Max)	1.10 (Main line), 1.15 (Secondary line)
2.4	Coupling	30 ± 0.7 dB
2.5	Directivity (Min)	18 dB
3.0	Outline Drawing	
 <p>The drawing consists of two views of the coupler. The left view is a front elevation showing a central vertical section with 'IN' and 'OUT' ports. It has a total height of 150 and a width of 90. Two side flanges, labeled 'FDP70', are shown with a height of 60 and a thickness of 7. The right view is a side elevation showing the coupling structure. It features a main vertical section with a height of 68.3 and a width of 15.799 ± 0.07. There are four holes, labeled '4-Ø5', with a diameter of 5.0 ± 0.14 and a depth of 0.17. The distance between the centerlines of these holes is 34.849 ± 0.07. Other dimensions include 55.58, 22.22, 15.88, 36.52, 4.9.2, and 4-R14.</p>		



Revision History

Date	Revision	Changes
05-Mar-2006	1	First release

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